



# **SANYO**

## **LCD TV**

### **MODEL LCD-32K40**

### **LCD-32K40A**

### **LCD-42K40-HD**

### **LCD-42K40A-HD**



## **Owner's Manual**





## IMPORTANT INFORMATION

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.



# TO THE OWNER

Before operating this LCD TV, read this manual thoroughly and operate the LCD TV properly. This LCD TV provides many convenient features and functions. Operating the LCD TV properly enables you to manage those features and maintains it in better condition for a considerable time. Improper operation may result in not only shortening the product-life, but also malfunctions, fire hazard, or other accidents.

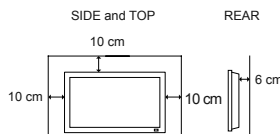
If your LCD TV seems to operate improperly, read this manual again, check operations and cable connections and try the solutions in the "Troubleshooting" section on page 41 of this booklet. If the problem still persists, contact the dealer where you purchased the LCD TV or the service center.



## Safety Precaution

**WARNING :** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

- Install the LCD TV in a proper position. If not, it may result in a fire hazard.
- Provide appropriate space on the top, sides and rear of the LCD TV cabinet for allowing air circulation and cooling the LCD TV. Minimum clearance must be maintained. If the LCD TV is to be built into a compartment or similarly enclosed, the minimum distances must be maintained. Do not cover the ventilation slot on the LCD TV. Heat build-up can reduce the service life of your LCD TV, and can also be dangerous.
- If the LCD TV is not to be used for an extended time, unplug the LCD TV from the power outlet.



READ AND KEEP THIS OWNER'S MANUAL FOR LATER USE.

## Caution In Installing

- Handle the LCD TV carefully when installing it and do not drop.
- Locate set away from heat, excessive dust, and direct sunlight.
- For correct installation and mounting it is strongly recommended to use a trained, authorized dealer. Failure to follow correct mounting procedures could result in damage to the equipment or injury to the installer.

### NOTE :

When LCD TV is not used for a long period of time, unlighted dots may be observed. This is caused by characteristic of the LCD TV. If this occurs, turn the LCD TV on and leave it on about 1 hour. These dots will gradually disappear.

	<b>CAUTION</b> <b>RISK OF ELECTRIC SHOCK</b> <b>DO NOT OPEN</b>	
<b>CAUTION :</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		
	THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSTITUTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.	
		THIS SYMBOL INDICATES THAT THERE ARE IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE OWNER'S MANUAL WITH THIS UNIT.



# SAFETY INSTRUCTIONS

All the safety and operating instructions should be read before the product is operated.

Read all of the instructions given here and retain them for later use. Unplug this LCD TV from AC power supply before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

Follow all warnings and instructions marked on the LCD TV.

For added protection to the LCD TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage due to lightning and power line surges.

Do not expose this unit to rain or use near water... for example, in a wet basement, near a swimming pool, etc...

Do not use attachments not recommended by the manufacturer as they may cause hazards.

Do not place this LCD TV on an unstable cart, stand, or table. The LCD TV may fall, causing serious injury to a child or adult, and serious damage to the LCD TV. Use only with a cart or stand recommended by the manufacturer, or sold with the LCD TV. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturers.

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



Slots and openings in the back and bottom of the cabinet are provided for ventilation, to insure reliable operation of the equipment and to protect it from overheating.

The openings should never be covered with cloth or other materials, and the bottom opening should not be blocked by placing the LCD TV on a rug, or other similar surface. This LCD TV should never be placed near or over a radiator or heat register.

This LCD TV should not be placed in a built-in installation such as a book case unless proper ventilation is provided.

Never push objects of any kind into this LCD TV through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the LCD TV.

Do not place items such as vases containing liquid on top of the LCD TV.

Do not install the LCD TV near the ventilation duct of air-conditioning equipment.

This LCD TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied, consult your authorized dealer or local power company.

Do not overload wall outlets and extension cords as this can result in fire or electric shock. Do not allow anything to rest on the power cord. Do not locate this LCD TV where the cord may be damaged by persons walking on it.

Do not attempt to service this LCD TV yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Unplug this LCD TV from wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled into the LCD TV.
- If the LCD TV has been exposed to rain or water.
- If the LCD TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the LCD TV to normal operation.
- If the LCD TV has been dropped or the cabinet has been damaged.
- When the LCD TV exhibits a distinct change in performance-this indicates a need for service.

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or injury to persons.

Upon completion of any service or repairs to this LCD TV, ask the service technician to perform routine safety checks to determine that the LCD TV is in safe operating condition.



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# Feature and Design

## ◆ Picture

- **High Definition LCD Panel**
  - **LCD-32K40/A**  
1366 x 768 pixel HD LCD Panel with high contrast ratio and wide viewing angle.
  - **LCD-42K40/A-HD**  
1920 x 1080 pixel Full HD LCD Panel makes perfect reproduction of 1080p/1080i HD contents in pixel-to-pixel.  
This LCD panel also provide high contrast ratio and wide viewing angle.
- **VIZON Engine**  
VIZON Engine, SANYO High Quality Image Processing Technology reproduces clear, dynamic, natural and realistic picture along with HD LCD Panel Technology.
- **Dynamic AI**  
The AI (Automatic Image Control) circuit compensates picture contrast and brightness level dynamically and reproduces bright and high-contrast picture. (see page 37)

## ◆ Sound

- **NICAM/A2 Stereo**  
It's the Stereo Sound PAL Color TV Broadcasting System upgrading mono-sound TV service to stereo or dual-language sound. (see page 19)
- **Bass Expander**  
Bass Expander reinforces bass effect to improve overall sound quality. (see pages 19, 34).

## Feature

- **Sports Mode**  
Just by pressing the button, sport mode optimizes picture and sound settings suitable for each sport program. (see page 22)
  - **OFF**  
Normal setting.
  - **Football**  
Use to watch football program, golf program or etc.
  - **Winter Sports**  
Suitable setting for Skiing program of etc.
  - **Marine Sports**  
Suitable setting for Swimming, Diving program of etc.
  - **Indoor Sports**  
Suitable setting for Basketball, Badminton program of etc.
- **PIP/POP (1 tuner)**  
Picture in picture displays two separate source (e.g., HDMI and Video) at the same time. (see pages 24-25)

- **ECO Sensor**  
Ambient light sensor automatically adjusts picture brightness to provide more relaxing view for your eyes. (see pages 19, 37)
- **GAME Mode**  
Game mode will reduce time lag of LCD-TV to display picture from game console. (see page 23)
- **SHOP Mode**  
Picture mode will be Dynamic and ECO mode will be OFF in SHOP MODE. (see page 38)

## ◆ Compatibility

- **Full Multi System**  
PAL, SECAM, NTSC, NTSC 4.43 system can be connected. (see page 19)
- **HD-Ready**  
1080p, 1080i, 720, High Definition signals are receivable.
- **HDMI**  
HDMI provides complete transmission of digital image and sound signals without any quality deterioration.  
DVI can be connected to HDMI. (see page 10)
- **PC Input**  
Personal Computer/Laptop can be connected with automatic resolution adjustment. (see page 10)
- **Xacti Link**  
The HDMI-CEC function will operate correctly only when the Xacti is connected to a SANYO TV that incorporates the HDMI-CEC function. (see page 26)
- **Terminals**  
HDMI for BluRay Player etc.  
D-SUB 15-pin for PC input etc.  
Component Video for DVD  
S-Video/Video for VCR/DVD

## Others

- **Wall Mounting**  
It's designed for VESA Standard wall hanging bracket.
- **Light Commercial Mode**  
By entering Dealer mode, Volume Lock, Tuning Lock, Start Mode, OSD, RC, AC Power Mode, Start Volume Level, Music Mode and Reset can be selected.  
Convenient for placing in Hotel, Hospital, School, Store, Bank etc. (see page 43)

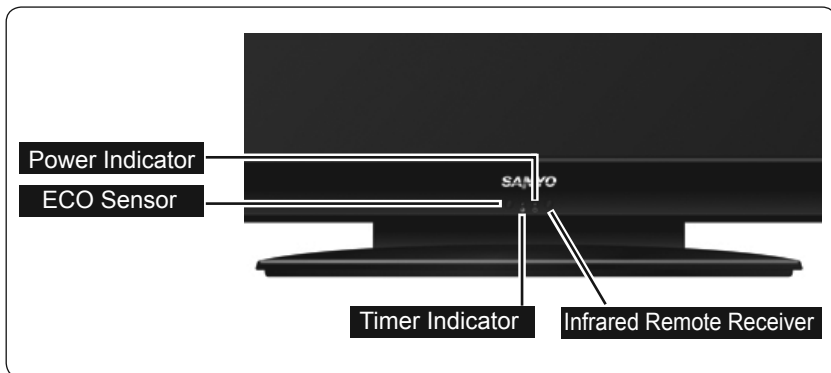
# PREPARATION

## PART NAMES AND FUNCTIONS

### FRONT



### INDICATORS



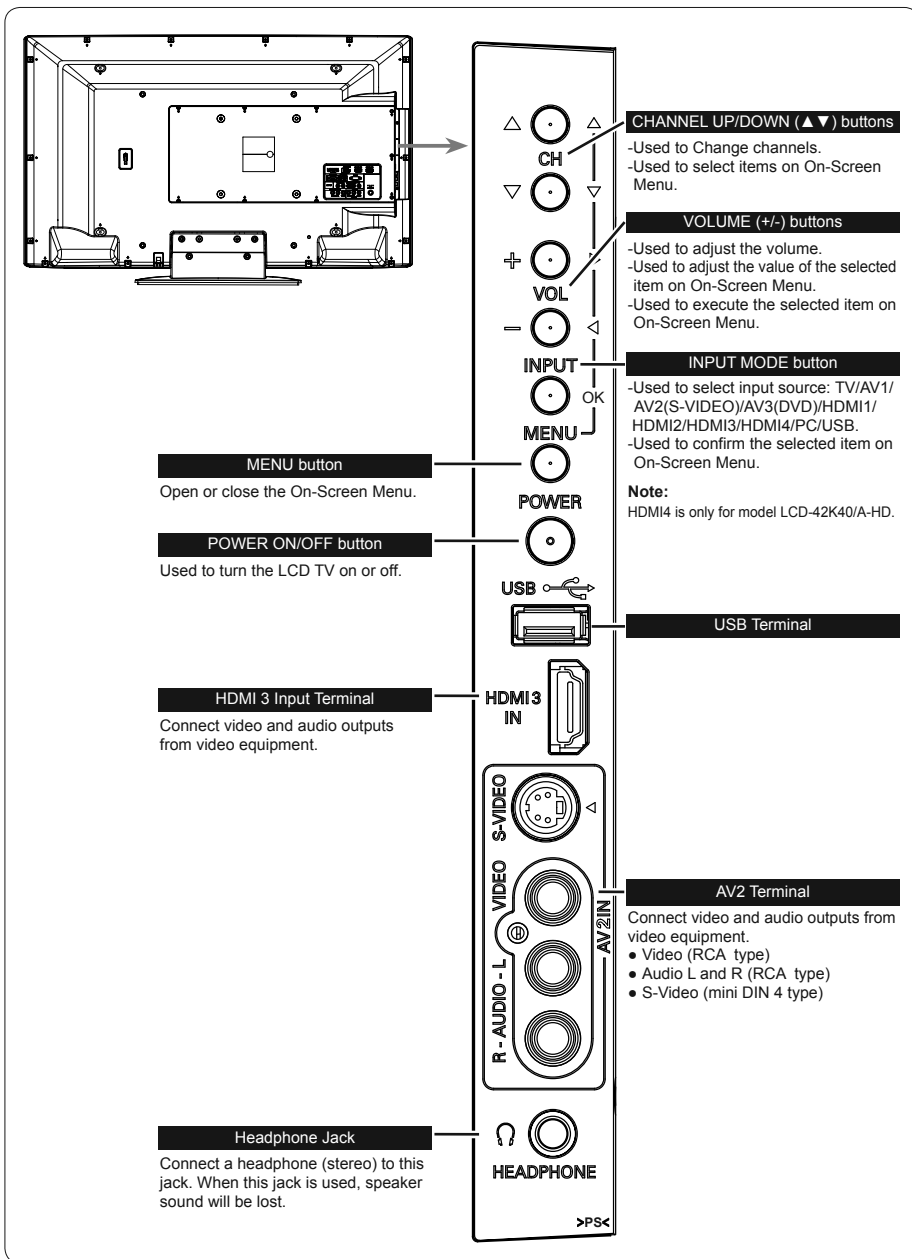
### CARE FOR USING LCD TV

- Do not bump or scratch the panel surface as this causes flaws on the surface of the screen.
- There may be some tiny black points and/or blight points on the **SCREEN**. These points are normal.

# PREPARATION

## SIDE CONTROLS

(Each button on the control panel has the same function with its counterpart on the remote control.)



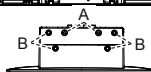
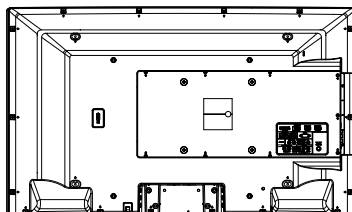


# CONNECTING LCD TV

## INSTALLING STAND

Please according to the following procedure to install stand.

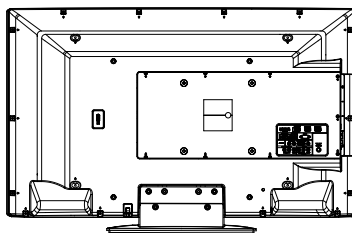
- 1 Be careful of the panel. Suggest to put down the panel side on the cushion or other soft material before installing the stand.
- 2 To align the corresponding pilot holes and fix the stand by screws.  
Screws B for LCD-32K40/A: 4 pcs  
Screws A for LCD-42K40/A: 2 pcs  
Screws B for LCD-42K40/A-HD: 4 pcs



### Note:

Screws A are just for LCD-42K40/A-HD.

- 3 Installing of stand is completed.



## CONNECTING AC POWER CORD

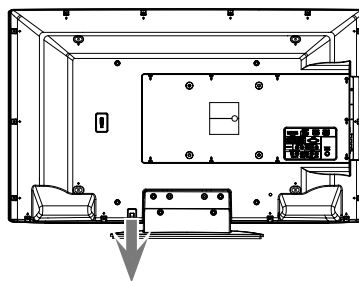
This LCD TV uses nominal input voltages of 110-240V AC. This LCD TV automatically selects the correct input voltage. It is designed to work with single-phase power systems. To reduce risk of electrical shock, do not plug into any other type of power system. Consult your authorized dealer or service station if you are not sure of the type of power being supplied.

Connect the LCD TV with all peripheral equipment before turning the LCD TV on.

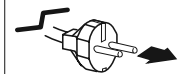


### CAUTION

For safety, unplug AC power cord when the LCD TV is not in use.



### AC POWER CORD



To the AC Outlet (110 - 240V AC). Pulls the AC power cord out from the LCD TV. The AC outlet must be near this equipment and must be easily accessible.

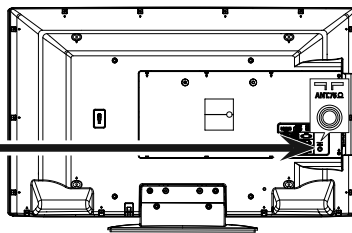
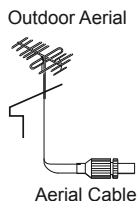
# CONNECTING LCD TV

## CONNECTING OUTDOOR AERIAL

Cable used for connection (This cable is not supplied with this LCD TV.)

- Aerial Cable

**NOTE:**  
For all aerial circuit problems, please consult your local dealer.



## CONNECTING A COMPUTER

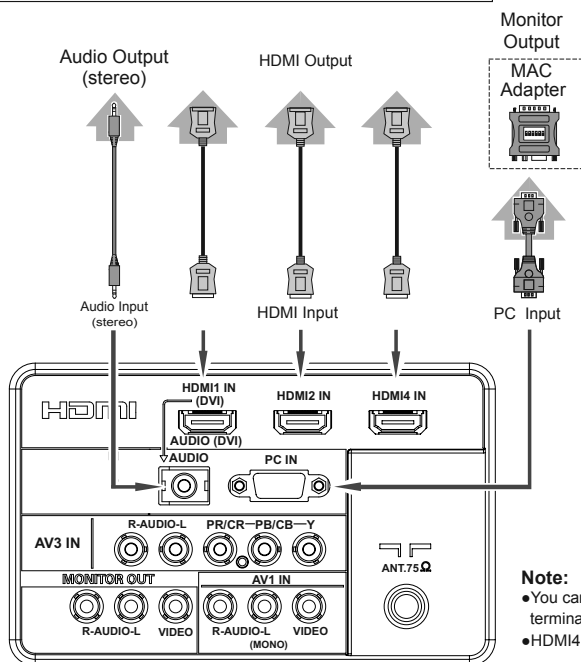
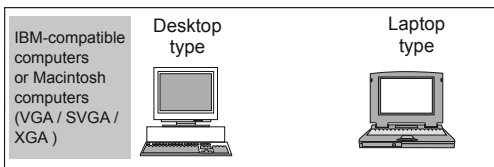
Cables used for connection (These cables are not supplied with this LCD TV.)

- PC/VGA Cable (D-SUB 15pin)
- HDMI Cable: HDMI Input
- MAC Adapter (in the case of connecting Macintosh computer)
- Audio Cable [Mini Plug (L/R)]



### NOTE:

When connecting the cables, AC Power Cords of both LCD TV and external equipment should be disconnected from AC outlet. Turn LCD TV and peripheral equipment on before your computer is switched on.



### Note:

- You can connect the DVI source to HDMI input terminal by using the DVI to HDMI converter.
- HDMI4 is only for model LCD-42K40/A-HD.

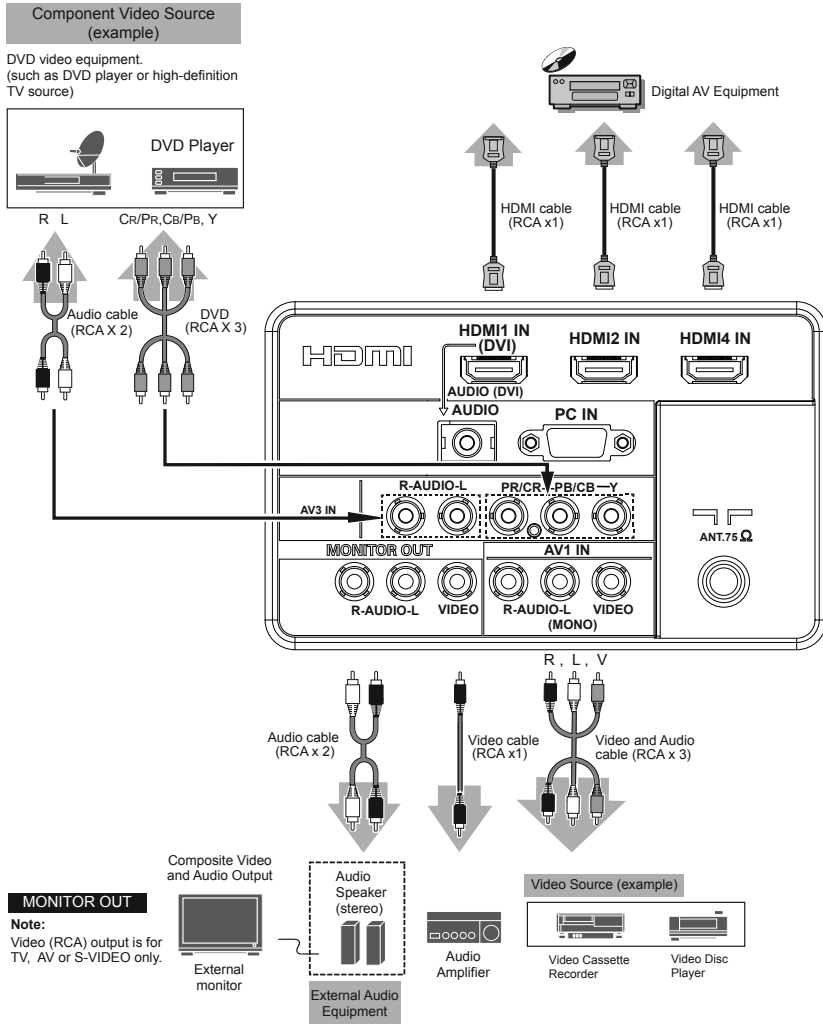
# CONNECTING LCD TV

## CONNECTING VIDEO EQUIPMENT

- Cables used for connection (These cables are not supplied with this LCD TV.)
- Video Cable(RCA X1), S-Video Cable, Audio Cable (RCA X2) : Video 1 or Video 2
  - Video Cable(RCA X3), Audio Cable (RCA X2) : DVD (Component Video)
  - Video Cable(RCA X1), Audio Cable (RCA X2) : Monitor Output
  - HDMI Cable: HDMI Input



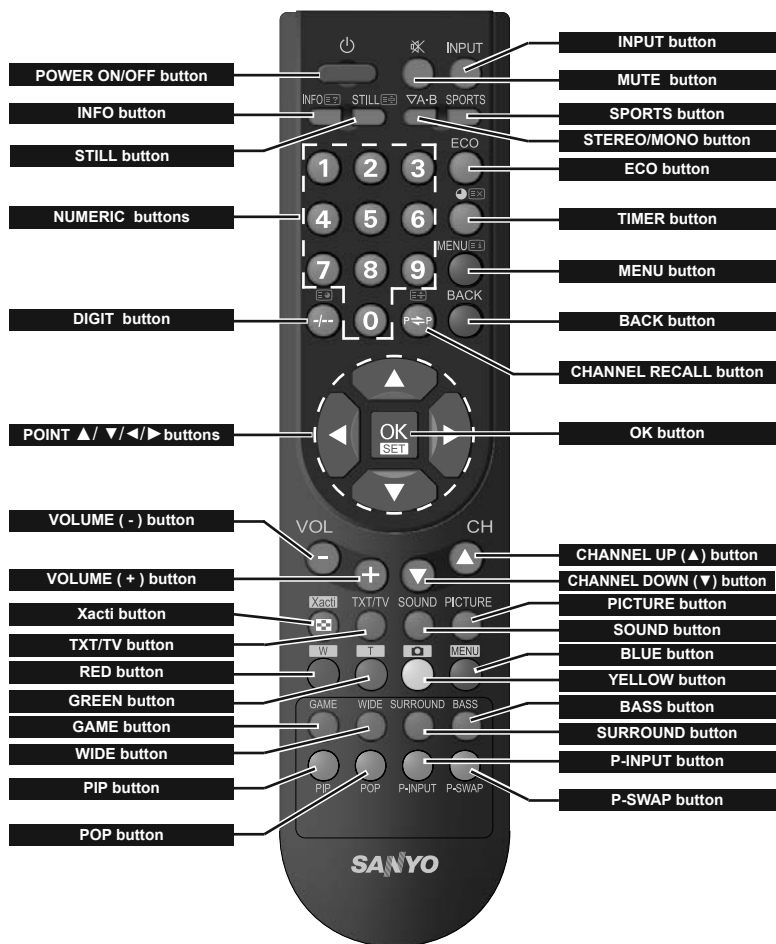
NOTE : When connecting the cable, AC Power Cords of both LCD TV and external equipment should be disconnected from AC outlet.



**Note:**  
HDMI4 is only for model LCD-K40/A-HD.

# BEFORE OPERATION

## OPERATION OF REMOTE CONTROL



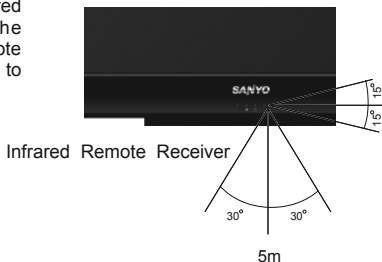
**Note:**

In different mode, some buttons have different functions. (For details, please refer to page 28.)

## BEFORE OPERATION

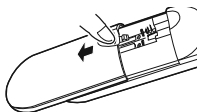
### OPERATION RANGE

Point Remote Control toward LCD TV (Infrared Remote Receiver) whenever pressing the buttons. Maximum operating range for Remote Control is about 16.4' (5m) in front, about 30° to the left or the right, about 15° for up or down.

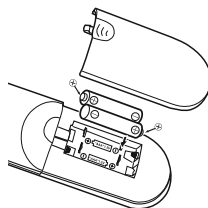
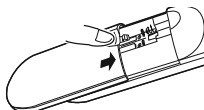


### REMOTE CONTROL BATTERIES INSTALLATION

- 1 Remove the battery compartment cover.
- 2 Insert two size AAA batteries (1.5V) according to "+" and "-" polarity markings inside the battery compartment.



- 3 Close the battery compartment cover.



To insure safe operation, please observe the following precautions:

- Use (2) AAA, alkaline batteries.
- Replace two batteries at the same time.
- Do not use a new battery with a used battery.
- Avoid contacting with water or liquid.
- Do not expose the Remote Control to moisture, or heat.
- Do not drop the Remote Control.
- If a battery has leaked on the Remote Control, carefully wipe case clean and install new batteries.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.
- Do not expose batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like.

# BEFORE OPERATION

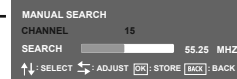
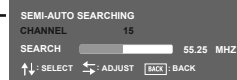
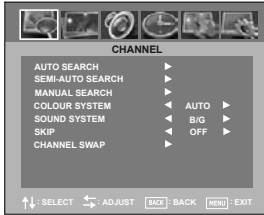
## ON-SCREEN MENU

### TV/AV/HDMI MODE MENU LIST

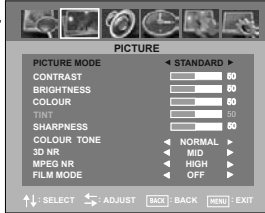
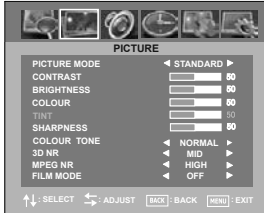
#### MAIN MENU (CHANNEL MENU)



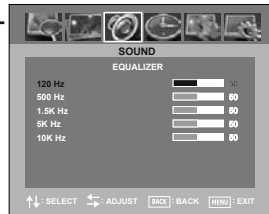
#### CHANNEL MENU



#### PICTURE MENU



#### SOUND MENU



#### Note:

- "CHANNEL" menu doesn't work in AV3(DVD), HDMI mode and PC mode.
- In AV1 and AV2(S-VIDEO) mode, only "COLOUR SYSTEM" in "CHANNEL" menu can be selected.
- "TINT" cannot be selected except for NTSC/ NTSC4.43 system.
- 3D NR will prohibited during 1080p mode.

# BEFORE OPERATION

## ON-SCREEN MENU

### TV/AV/HDMI MODE MENU LIST

#### MAIN MENU (CHANNEL MENU)



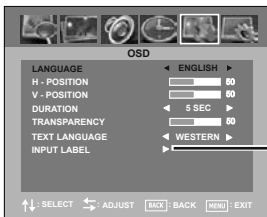
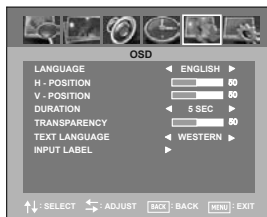
**Note:**

- HDMI4 is only for model LCD-42K40/A-HD.
- "PC ADJUST" is only active in PC mode.

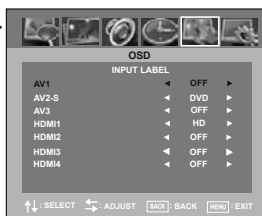
#### TIMER MENU



#### OSD MENU



#### SETUP MENU

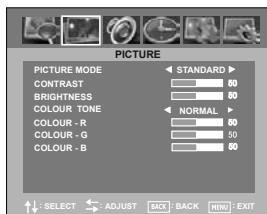


# BEFORE OPERATION

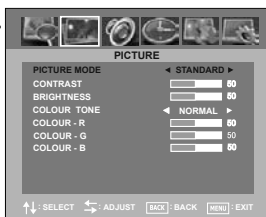
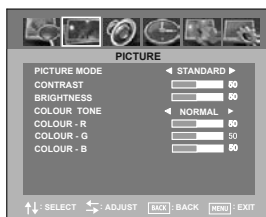
## ON-SCREEN MENU

### PC MODE MENU LIST

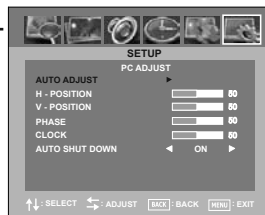
#### MAIN MENU (PICTURE MENU)



#### PICTURE MENU



#### SETUP MENU



Note:

- "CHANNEL" menu is activated in TV, AV1 or AV2(S-VIDEO) mode.
- "PC ADJUST" is only active in PC mode.
- SOUND/ TIMER/ OSD menu in PC mode is the same as TV/AV/HDMI mode, please refer to pages 14~15.



# BASIC OPERATION

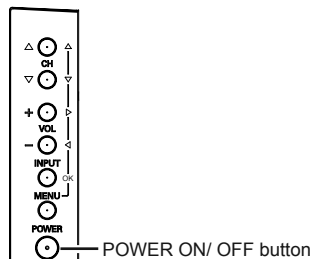
## TURNING ON / OFF LCD TV

- 1 Complete the peripheral connections before turning on LCD TV. (Please refer to "CONNECTING LCD TV".)
- 2 Connect LCD TV's AC Power Cord into an AC outlet.
- 3 Press POWER ON/OFF button on Side Controls of LCD TV or on Remote Control to turn it ON. The POWER indicator will light up (green). Press POWER ON/OFF button again to shift it to stand-by status, the POWER indicator will become red.

### NO SIGNAL SHUT OFF

This TV set incorporates the NO SIGNAL SHUT OFF function. If no signal is input in TV mode, "OFF 00:10" will display for about 10 minutes and TV will be turned off automatically.

### SIDE CONTROLS



### REMOTE CONTROL



## PLUG & PLAY

By PLUG & PLAY, when the TV set is powered on for the first time, it will automatically search and preset all the receivable TV programs.

- 1 Plug the power, connect the antenna, and press Main Power ON/OFF button, the TV set will automatically search the programs.
- 2 After programs searching, SHOP MODE menu will appear. Press POINT ◀▶ buttons to select and press OK button for SHOP MODE or HOME MODE. Then the pop up menu disappears. For the details, please refer to "SHOP MODE" on page 38.
- 3 Auto searching completed and message "AUTO SET-UP COMPLETED HAPPY VIEWING!" appears. About 5 seconds later, the TV set will automatically return to programme position "1".

### Note:

- Message "NO STATION PLEASE CONNECT ANTENNA PLUG!" will appear if there is no TV stations are searched after automatically programs searching. (see Figure A.) Then SHOP MODE menu appears, the same operations as step 2 above will be executed and returns to normal TV picture.
- Press MENU button while searching programs, message "PLEASE SELECT AND PRESS OK BUTTON" appears (see Figure B), press POINT ◀▶ buttons to select "TEMPORAL CANCEL" or "PERMANENT CANCEL".
  - "TEMPORAL CANCEL" to cancel temporary PLUG & PLAY function. The PLUG & PLAY function is activated only in TV mode while turning on the LCD TV.
  - "PERMANENT CANCEL" to cancel permanently PLUG & PLAY function. When turn on television the PLUG & PLAY is not activated.

Press OK button to enter SHOP MODE menu. the same operations as step 2 above will be executed and returns to normal TV picture.

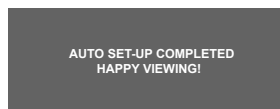
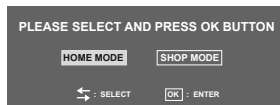
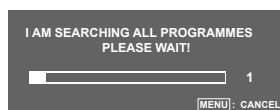
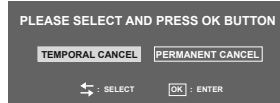


Figure A.



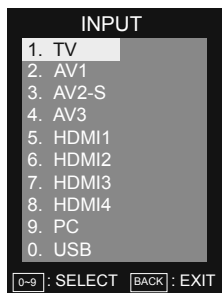
Figure B.



# BASIC OPERATION

## SELECTING INPUT SOURCE

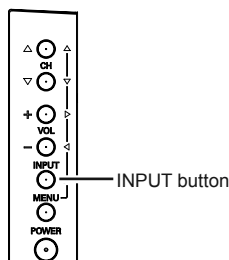
Select mode "TV", "AV1", "AV2-S", "AV3", "HDMI1", "HDMI2", "HDMI3", "HDMI4", "PC" or "USB" by pressing INPUT button on Remote Control or on Side Controls, you can also press POINT ▲▼ buttons to select different mode. To enter the selected mode, press OK button or POINT ◀▶ buttons.



### Note:

- It is possible to return to TV mode directly by pressing CHANNEL UP/DOWN (▲▼) buttons from the AV mode, PC mode or HDMI mode.
- HDMI4 is only for model LCD-42K40/A-HD.

### SIDE CONTROLS



### REMOTE CONTROL



## CHANNEL RECALL

Press CHANNEL RECALL button to switch between the previous channel and the current channel. For example, now you are watching channel "4", but you watched channel "2" previously. If you press CHANNEL RECALL button, channel "2" will appear immediately.

### REMOTE CONTROL



## CHANNEL SELECTION

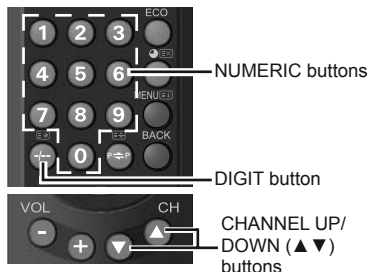
There are 256 channels can be selected on the LCD TV.

### DIRECT SELECTION

For direct access to programmes using the (0-9) numeric buttons.

- For selection of channel position 0 - 9. Example: For channel position 8, press "8" button.
- For selection of channel position 10 - 99. Example: For channel position 25, press the DIGIT button to display "- -", then press "2" and "5" buttons.
- For selection of channel position 100 - 199. Example: For channel position 125, press the DIGIT button twice to display "1 - -", then press "2" and "5" buttons.
- For selection of channel position 200 - 255. Example: For channel position 225, press the DIGIT button three times to display "2 - -", then press "2" and "5" buttons.

### REMOTE CONTROL



### CHANNEL UP/ DOWN

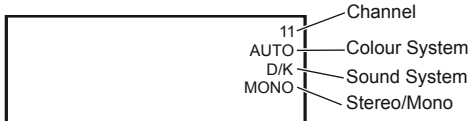
Press CHANNEL UP/DOWN (▲▼) buttons on Side Control or on Remote Control to select programs.

- Press CHANNEL UP (▲) button to select next channel.
- Press CHANNEL DOWN (▼) button to select previous channel.

# BASIC OPERATION

## INFO

Press INFO button on Remote Control to display the status of LCD TV. Press again to remove the display.



### REMOTE CONTROL



## VOLUME CONTROL

To adjust the volume value desired by pressing VOLUME(+/-) buttons on Remote Control or on Side Control. The volume dialogue box will appear on the screen for a short while. VOLUME(+) button to increase volume, and VOLUME(-) button to decrease volume.



### REMOTE CONTROL



## MUTE

Should you wish to mute the sound, press MUTE button. To switch the sound back on, press MUTE button again or press VOLUME(+/-) buttons on Side Control or on Remote Control.

### REMOTE CONTROL



## ECO

Press ECO button on Remote Control to set "ECO OFF", "ECO ON" or "ECO SENSOR".

### REMOTE CONTROL



## STEREO/MONO

Simply press STEREO/MONO button to select the following audio signals: "STEREO", "MONO", "NICAM", "A" and "B".

**Note:** Depend on each channel is received.

### REMOTE CONTROL



## BASS EXPANDER

Press BASS button on Remote Control to set "BASS EXPANDER OFF" or "BASS EXPANDER ON".

### REMOTE CONTROL



## SURROUND

Press SURROUND button on Remote Control to set "SURROUND OFF" or "SURROUND ON".

### REMOTE CONTROL



# BASIC OPERATION

## SOUND MODE

Select sound level by pressing SOUND button on Remote Control.

### STANDARD

Normal sound state preset on LCD TV.

### NEWS

Select this mode for talk programs.

### MUSIC

Select this mode for music programs.

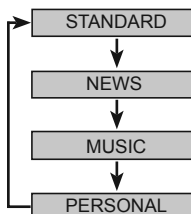
### PERSONAL

Select this mode for user to call out the preset sound adjustment in SOUND menu.

### REMOTE CONTROL



SOUND button



## PICTURE MODE

Select image level by pressing PICTURE button on Remote Control.

### DYNAMIC

Bright and dynamic picture. It is suitable for nice playback, such as DVD program.

### STANDARD

Natural and splendid picture level preset on this LCD TV.

### VIVID

Present colourful and lively picture level.

### SOFT

Inhibit strong contrast and color, it is beneficial for eye protection.

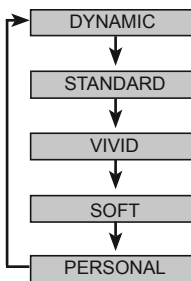
### PERSONAL

User presets picture adjustment in PICTURE MODE.

### REMOTE CONTROL



PICTURE button



### ! Note:

Press ECO button on Remote Control to select "ECO ON" or "ECO SENSOR". While in ECO status, press PICTURE button to choose any of options of "ECO/STANDARD", "ECO/VIVID", "ECO/SOFT", "ECO/PERSONAL" and "ECO/DYNAMIC".

## STILL

Press STILL button to switch the "Still" function On or Off. When in PIP/POP mode, "Still" function can still main picture.

To cancel "Still" function:

Press STILL button, PIP button, POP button or MENU button to cancel the function, or you can switch the input source to cancel it also.

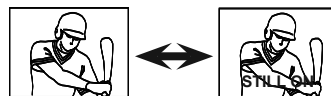
### ! Note:

- When the "Still" function is On, the picture will still, but the sound will be remain.
- Still will prohibited during 1080p mode.
- When the "Still" function is On, TIMER button doesn't work.

### REMOTE CONTROL



STILL button



# BASIC OPERATION

## WIDE

Select screen size among "FULL", "ZOOM", "ZOOM[CAPTION-IN]", "NORMAL" and "NATURAL" by pressing WIDE button on Remote Control.

- \* This function doesn't work in PIP/POP mode.
- \* This function doesn't work in TV/ AV/ DVD/ HDMI/ PC modes when no signal is input.
- \* Only "FULL" mode can be selected when the input mode is "HDMI" or "DVD" and the input signal is 1080i, 720p or 1080p.
- \* "FULL" and "NORMAL" can be selected in PC mode.
- \* Teletext is ONLY operated on Full Picture mode.

### FULL

Provides image to fit width of screen by expanding image width uniformly. This function can be used for enjoying a squeezed video signal with wide video aspect ratio of 16 : 9 screen. When your video equipment (such as DVD) has 16 : 9 output mode, select 16 : 9 and select "Full" to provide better quality.

### ZOOM

Provides image to fit screen size (16 : 9 aspect ratio) by expanding image width and height uniformly. This function can be used for enjoying a letter box mode picture (4 : 3 aspect picture with black bar on top and bottom edges) with wide video aspect of 16 : 9 screen.

### ZOOM[CAPTION-IN]

Provides the image that is expanded as "ZOOM" mode and moved up to show more image to include captions. This function can be used for enjoying a letter box picture with captions.

### NORMAL

Provides real 4 : 3 image on 16 : 9 screen.

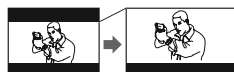
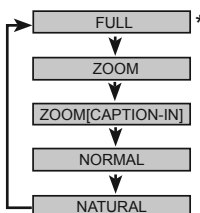
### NATURAL

Provides image to fit width of screen by expanding up/down/ left right of image. This function is suitable to enjoy a normal video signal (4 : 3 aspect ratio) with wide video aspect ratio of 16 : 9 screen.

### REMOTE CONTROL



WIDE button



# BASIC OPERATION

## SPORTS MODE

Select SPORTS mode "OFF", "FOOTBALL", "WINTER SPORTS", "MARINE SPORTS" and "INDOOR SPORTS" by pressing SPORTS button repeatedly on Remote Control.

### OFF

Turn off the sport mode to return to normal picture.

### FOOTBALL

Use to watch football program, golf program or etc.

### WINTER SPORTS

Use to watch skiing program or etc.

### MARINE SPORTS

Use to watch swimming program, diving program or etc.

### INDOOR SPORTS

Use to watch basketball program, badminton program or etc.



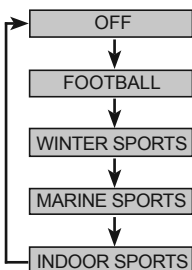
### Note:

Press SOUND, SURROUND and BASS buttons in SPORTS mode, only current SPORTS mode is displayed.

### REMOTE CONTROL



SPORTS button



## OFF TIMER

To set OFF TIMER by pressing TIMER button on Remote Control. The timer dialogue box will appear on the screen for a short while.

To select "OFF", "30 MIN", "60 MIN", "90 MIN" or "120 MIN" with TIMER buttons.

### REMOTE CONTROL



TIMER button

# BASIC OPERATION

## GAME MODE

Game mode will reduce time lag of LCD-TV to display picture from game console.

- 1 Press GAME button to display OPTION menu.  
Press POINT ◀▶ buttons to select "GAME MODE ON".
- 2 Press POINT ▲▼ buttons to select GAME INPUT SELECT, then press POINT ◀▶ buttons to select AV1, AV2(S-VIDEO), AV3(DVD), HDMI1, HDMI2, HDMI3, HDMI4 or PC mode.  
Press BACK button to return to the previous menu.
- 3 You can select the GAME INPUT by pressing GAME button once or pressing INPUT button repeatedly where GAME appears. (For example: If you set AV1 as GAME INPUT, GAME button or INPUT button switches input to AV1 as figure A.)
- 4 When you select the GAME INPUT (example: AV1) which is set in GAME INPUT SELECT menu, the counter starts for counting elapsed time. When 30min, 60min, 90min, 120min, 150min and 180 min is elapsed, the time will be displayed as shown in the figure B. Over 180 min will not have time display.

### Note:

Counter for the GAME INPUT will be reset when the power is turned off / stand-by and input change.

- 5 To exit GAME MODE, select "GAME MODE OFF" in SETUP menu.

Please pay more attention to following points when GAME MODE is ON.

- While watching the input for the game mode, press INFO button to display the counting elapsed time. (see Figure C.)
- You can select picture menu and audio menu.
- You can adjust colour, contrast, brightness, sharpness and tint but you cannot adjust other items related to picture improvement.
- SPORTS MODE / STILL / TELETEXT/ PIP/POP will be disabled.
- Picture size shall be fixed to FULL, WIDE button will be disabled.
- HDMI4 is only for model LCD-42K40/A-HD.

### REMOTE CONTROL



Figure A.

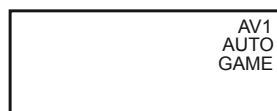


Figure B.

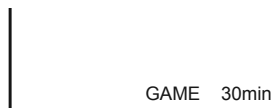
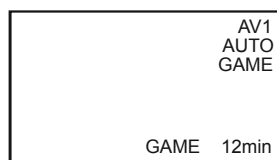


Figure C.



# BASIC OPERATION

## PIP/POP OPERATION

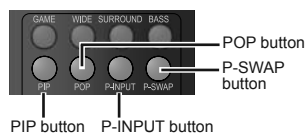
Using PIP/POP function, you can enjoy a TV program and an image such as HDMI input from a side terminal at the same time.

Only the sound on the main picture is heard from the TV speaker or the headphone jack. The sound on the sub-picture cannot be heard.

### ⚠ Note:

- PIP/POP function only work in "FULL" mode.
- PIP/POP will be prohibited during 1080p mode, warning message "OUT OF RANGE" will be displayed.
- When PIP/POP is ON, MENU has restriction as follows:
  - SEARCH can not be selected in CHANNEL menu.
  - PICTURE menu for Sub picture is not available.
  - PC screen menu for Sub picture can not be selected when Sub picture has PC source.

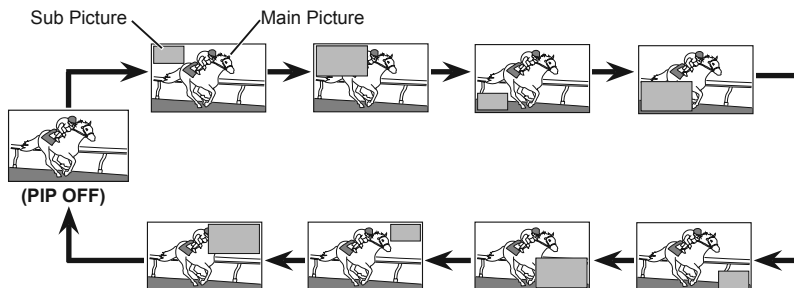
### REMOTE CONTROL



## PIP ON/OFF

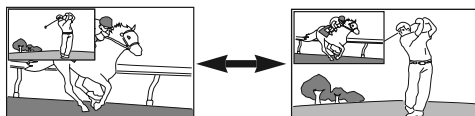
Confirm the each screen size (TV, AV1, AV2-S, DVD, HDMI or PC) is "FULL" mode. PIP can be set only in "Full" mode. For example, set the screen size of HDMI and TV to "Full" mode respectively when you combine picture of HDMI with the picture of TV.

- 1 Press PIP button to display sub picture.
- 2 Each time PIP button is pressed, the location of sub picture is changed as follows.
- 3 During PIP mode, pressing the P-SWAP button will switch main and sub picture. The sound on the main picture and the sub picture also changes at the same time.
- 4 Press P-INPUT button in PIP mode can switch input source in Sub picture. (Refer to this page "PIP Combination".)
- 5 Press BACK or POWER ON/OFF buttons to exit PIP mode.



## Switching of the Main picture and Sub picture

During PIP mode, pressing the P-SWAP button will switch main and sub picture. The sound on the main picture and the sub picture also changes at the same time.



### ⚠ Note:

PIP mode can be cancelled by BACK button except that On-Screen menu is being operated.



## BASIC OPERATION

### POP ON/OFF

- 1 Press POP button to display two pictures. The left picture is main picture, the right one is sub picture.
- 2 During POP mode, press P-SWAP button to switch main and sub picture.  
The sound on the main picture and the sub picture also changes at the same time.
- 3 Each time POP button is pressed, the location of sub picture is changed as follows.



- 4 Press any of POP, BACK or POWER ON/OFF buttons to exit POP mode.

#### **Note:**

POP mode can be cancelled by BACK button except that On-Screen menu is being operated.

### Combination of the Main picture and Sub picture

The following combination (Main and Sub picture) in the PIP and POP mode, "✓" indicates that it is possible for combination, and "X" indicates that it is impossible for combination.

SUB \ MAIN	TV	AV1	AV2 (S-VIDEO)	AV3 (DVD)	HDMI1	HDMI2	HDMI3	HDMI4	PC
TV	X	X	X	✓	✓	✓	✓	✓	✓
AV1	X	X	X	✓	✓	✓	✓	✓	✓
AV2(S-VIDEO)	X	X	X	✓	✓	✓	✓	✓	✓
AV3(DVD)	✓	✓	✓	X	X	X	X	X	X
HDMI1	✓	✓	✓	X	X	X	X	X	X
HDMI2	✓	✓	✓	X	X	X	X	X	X
HDMI3	✓	✓	✓	X	X	X	X	X	X
HDMI4	✓	✓	✓	X	X	X	X	X	X
PC	✓	✓	✓	X	X	X	X	X	X

#### **Note:**

HDMI4 is only for model LCD-42K40/A-HD.

# BASIC OPERATION

## XACTI LINK

This is a system control function by which, through an HDMI cable, a control signal is output to electronic devices and the operation of multiple devices is coordinated. The HDMI-CEC function will operate correctly only when the Xacti whose model is VPC-HD1010, VPC-HD2000, VPC-FH1, VPC-TH1 or VPC-WH1 is connected to a SANYO TV that incorporates the HDMI-CEC function.

- 1 Select HDMI SETTING in SETUP menu. Then press ◀▶ buttons to enter HDMI SETTING menu.(Figure A.) Select "XACTI LINK ON" by pressing ◀▶ buttons. (The details for operation, please refer to "SETUP" on page 38.)
- 2 Select "HDMI-CEC ON" in Xacti menu as Figure B.  
( For the details, please refer to "TV OUTPUT SETTING" on the INSTRUCTIONS MANUAL(Xacti).)
- 3 Make sure that HDMI input is connected to Xacti if Xacti button is pressed. (The connecting way, please refer to "Connecting to the HDMI terminal" on the INSTRUCTIONS MANUAL(Xacti).) After connecting the Xacti to the television, switch the TV input to the terminal which the Xacti is connected.
- 4 Press Xacti button to enter DISPLAY mode.(Figure C.)  
Press ▲▼ buttons to select any picture. Press OK button to display selected picture. And you can operate the selected picture by following buttons on Remote Control.  
(Note: For the details, please refer to INSTRUCTIONS MANUAL(Xacti).)
  - RED(W) button:** Works the same as pushing zoom switch toward the [W] side.
  - GREEN(T) button:** Works the same as pushing zoom switch toward the [T]side
  - YELLOW button:** It operates as a preservation button to the animation edit.
  - BLUE(MENU) button:** Open or close the Xacti menu.
- 5 Press Xacti button or RED button to return to the DISPLAY mode.
- 6 To exit Xacti mode, select "XACTI LINK OFF" in HDMI LINK menu. (The details for operation, please refer to "SETUP" on page 38.)

### ⚠ Note:

- When "XACTI POWER OFF" is set to "ON", the power supply of Xacti will switch to off if you turn off the television.
- When "XACTI POWER ON" is set to "ON", the power supply of television will switch to on if you turn on the Xacti.
- The menu of Xacti will not open when open the television menu.
- Message of "Please switch Xacti to the PLAY mode and connect it." will display on the screen when in the Xacti REC mode.
- Only SANYO Xacti camera with HDMI-CEC that corresponding to this LCD TV (please refer to SANYO Xacti camera model with HDMI-CEC on page 48).

## REMOTE CONTROL

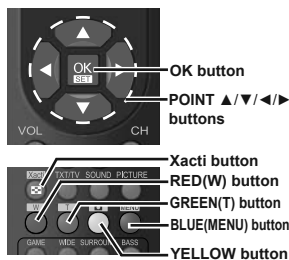


Figure A.

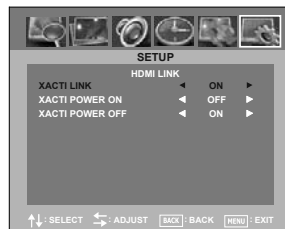


Figure B.

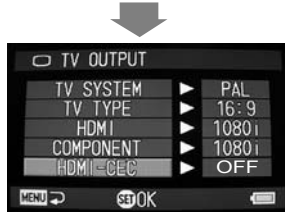


Figure C.



# BASIC OPERATION

## USB

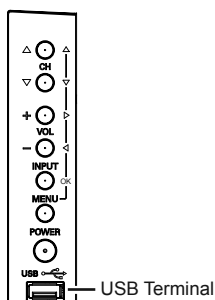
After Flash disk, Mobile Hard Disk or other USB devices are inserted the USB terminal, you can read photos. The USB system only supports JPEG format.

### ! Note:

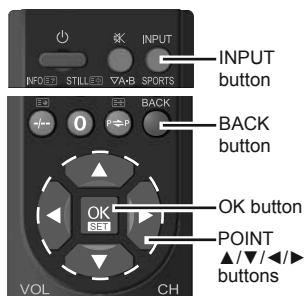
- Do not pull in/out USB device frequently. If you pull out USB device when it is being played, maybe it would result physical deterioration for USB device or LCD TV.
- If USB device cannot be read, please check if it is correctly connected and check your USB.
- Please switch to other modes when you find USB mode is abnormal, then restart USB mode again.

- 1 When USB device has been inserted the USB terminal, press INPUT button to enter INPUT menu, and press POINT ▲▼ buttons to select USB.

### SIDE CONTROLS



### REMOTE CONTROL



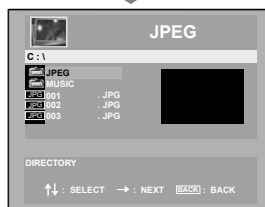
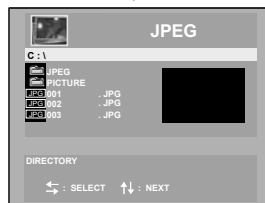
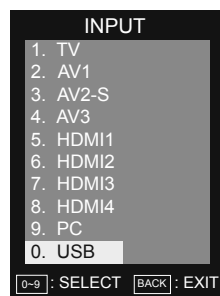
### Note:

HDMI4 is only for model LCD-42K40/A-HD.

- 2 Press POINT ▲▼ buttons to select JPEG folder or any picture.
- 3 Press POINT ▶ button to enter into JPEG folder or any picture.
- 4 To begin AUTO PLAY, press OK button. During AUTO PLAY, press POINT ▲▼ buttons to switch to the next or the previous picture. Press OK button to play or pause the picture displaying.
- 5 Press BACK button to end picture viewing and to return to previous level.

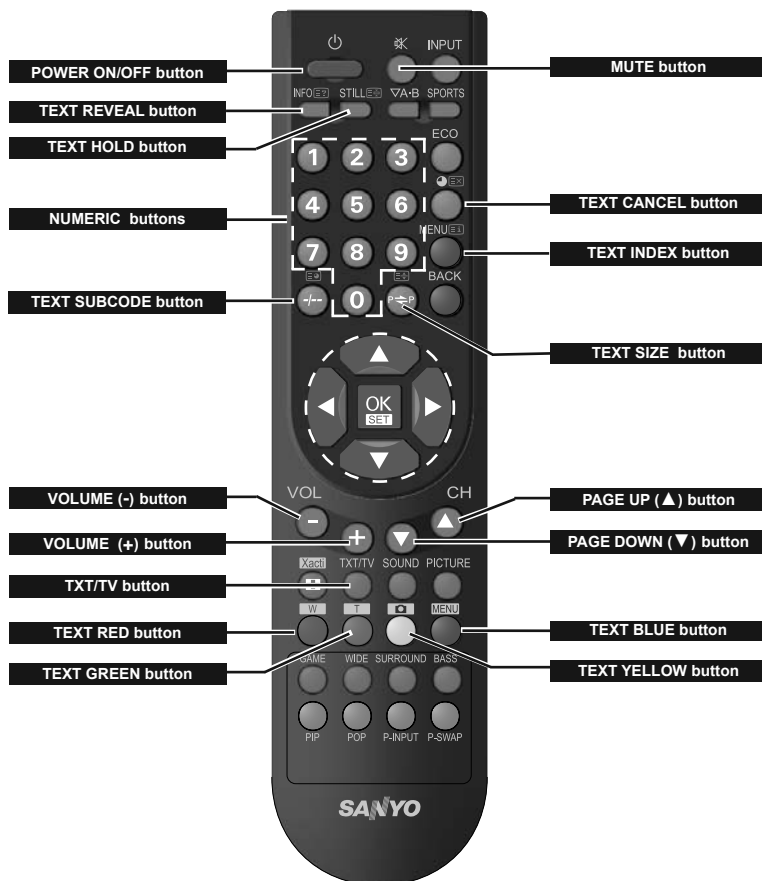
### ! Note:

The system only supports JPEG Baseline format.  
Non-standard types of JPEG image files are not supported.



# BASIC OPERATION

## OPERATION OF REMOTE CONTROL (IN TEXT MODE)



### Note:

- In different mode, some buttons have different functions. (For details, please refer to page 12.)
- Teletext is ONLY operated on Full Picture mode.

# BASIC OPERATION

## TEXT/ TV

Press TXT/TV button to select teletext. Press this button again will display:

- TV mode: TV -> TEXT mode -> MIX mode -> TV
- AV mode: AV -> TEXT mode -> MIX mode -> AV

Note:

- TEXT mode: TEXT screen is displayed.
- MIX mode: TV/AV (broadcast image) screen and the contents of TEXT(it superimposed) are displayed simultaneously.
- CANCEL mode: TEXT/MIX MODE is canceled temporarily and broadcast image is displayed. However, the available key are the same as TEXT mode.
- In the following state, the TXT/TV button is invalid.
  - RF non-signal (Auto shut off)
  - AV non-signal (Blue back)
- When the TXT/TV button is pressed during the CANCEL mode, the CANCEL mode will be canceled, and the TEXT screen is displayed.

## TEXT REVEAL

- Press REVEAL button to reveal hidden items on the text page.
- Some pages such as quiz pages have the answers hidden. The REVEAL button may have to be held to keep the answer on the screen, or press it again to remove the answer.
- In REVEAL OFF, this indication is not given.
- REVEAL button does not work except a text function. (The RECALL button usually operates.)

## TEXT CANCEL

- When pressing the TEXT CANCEL button in TEXT or MIX mode, the TV picture appears on the screen.
- CANCEL mode will be canceled if the TEXT CANCEL button pressed once again. CANCEL mode is also canceled by pressing the TXT/TV button.
- In CANCEL mode, page number is always displayed on upper left of the screen.

## TEXT INDEX

Press the INDEX button to select the teletext index page in TEXT, MIX, CANCEL mode.

## TEXT SUBCODE

- 1 Press TEXT SUBCODE button, "110/. . ." will be displayed (e.g. the current page is 110).
- 2 Press the NUMERIC buttons(0-9) to enter the sub page. For example, to select sub page 4, press NUMERIC buttons 0-0-0-4, and "110/0004" will be displayed.



## BASIC OPERATION

### TEXT SIZE

Press TEXT SIZE button to enlarge the top half of the text page.  
Press TEXT SIZE button again to enlarge the bottom half of the text page.  
Press TEXT SIZE button again to return to the normal size page.


Normal -> top half enlargement -> bottom half enlargement -> normal

#### **Note:**

- During the top half enlargement or the bottom half enlargement mode, if a page request is performed by [0] - [9] button and the TEXT INDEX button, it will become the normal mode and a page will be requested.
- If HOLD ON / OFF is performed during the top half enlargement mode, it will still at the top half enlargement mode. (A HOLD symbol display )
- If HOLD ON / OFF is performed during the bottom half enlargement mode, it will still at the bottom half enlargement mode. (A HOLD symbol not display )

### TEXT HOLD

Press TEXT HOLD button to stop page request and updating .

- HOLD ON: The symbol  will appear instead of the page number.  
Update of TELETEX is forbidden. It stops on the TEXT screen display now.
- HOLD OFF: A status display will be page number display.
- TELETEX page data is updated.
  - The present page is re-requested. (header roll)
  - A screen is updated by reception of the UPDATE signal.
  - A screen is eliminated by reception of an ERASE signal.
  - TEXT HOLD button does not work except a text function.

### TEXT RED

The page of a red prompt is required. (also cancel mode)

### TEXT GREEN

The page of a green prompt is required. (also cancel mode)

### TEXT YELLOW

The page of a yellow prompt is required. (also cancel mode)

### TEXT BLUE

The page of a blue prompt is required. (also cancel mode)



# MENU OPERATION (TV/AV/HDMI mode)

## CHANNEL

- 1 Press MENU button and the main menu will appear. Whenever MAIN MENU is accessed initially, CHANNEL will be the default selection.
- 2 Press POINT ▼ button to enter into CHANNEL menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to adjust the item.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

⚠ Note:

- "CHANNEL" doesn't work in HDMI mode, AV3(DVD) mode and PC mode.
- "COLOUR SYSTEM" in "CHANNEL" menu is only active in TV, AV1 and AV2(S-VIDEO) mode.
- The settings for "SOUND SYSTEM", "COLOUR SYSTEM" or "SKIP" are automatically memorized in the programme position.

### CHANNEL MENU

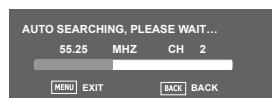


### AUTO SEARCH

All receivable channels are automatically tuned in and memorized in consecutive programme position.

- The Automatic Tuning operation can be cancelled at any time by pressing BACK button or MENU button.
- After all receivable channels have been found and stored, the TV set will automatically return to programme position "1".

### AUTO SEARCH MENU



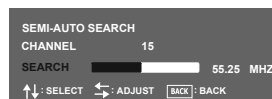
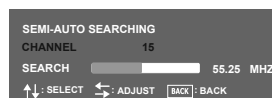
### SEMI-AUTO SEARCH

Use to preset a receivable channel in any desired programme position, e.g. the position with the same number as the channel.

- 1 Select channel "15".
- 2 Enter into CHANNEL menu, press POINT ▲▼ buttons to select "SEMI-AUTO SEARCH". Press POINT ◀▶ buttons to enter into the SEMI-AUTO SEARCH menu.
- 3 Press POINT ▲▼ buttons to select "SEARCH". Press POINT ◀▶ buttons to start the channel searching.
- 4 Press POINT ► button and the tuning will go to the higher frequencies. Press POINT ◀ button and the tuning will go to the lower frequencies. Use POINT ◀ or POINT ► button to search for required TV station. Once a station is located, searching will automatically stop. Continue till desired channel is located.

- Press BACK button to return to the previous menu.
- Press MENU button to exit menu operation.

### SEMI-AUTO SEARCH MENU



# MENU OPERATION (TV/AV/HDMI mode)

## MANUAL SEARCH

Manual search a channel if it cannot be automatically tuned, such as when the signal is poor.

- 1 Select channel "15".
- 2 Enter into CHANNEL menu, press POINT ▲▼ buttons to select "MANUAL SEARCH". Press POINT ◀▶ buttons to enter into the MANUAL SEARCH menu.
- 3 Press POINT ▲▼ buttons to select "SEARCH". Press POINT ◀▶ buttons to start the channel searching.
- 4 Press and hold POINT ◀ or POINT ▶ button to search for required TV station. Press OK button to save desirable station.

- Press BACK button to return to the previous menu.
- Press MENU button to exit menu operation.

## COLOUR SYSTEM

The setting for colour system is only active in TV or AV mode. Usually, the colour system is set to the position of "AUTO". In case of abnormal colour, repeatedly press POINT ◀▶ buttons to select "AUTO", "PAL", "SECAM", "NTSC" or "NTSC4.43" until the best colour effect is reached.

## SOUND SYSTEM

The setting for sound system is only active in TV mode. Usually, the sound system is set to the position of "B/G". In case of abnormal sound, repeatedly press POINT ◀▶ buttons to select "I", "D/K", "M" or "B/G" until the best sound effect is reached.

## SKIP

This feature is used to remove unwanted channels from the channel scanning memory.

You can skip the unused or undesired channels when you are selecting a channel using CHANNEL UP/DOWN (▲▼) buttons. This function is only active in TV mode.

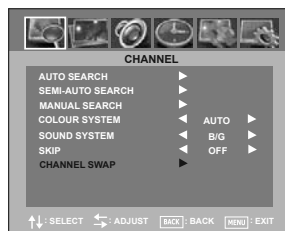
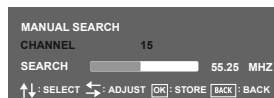
## CHANNEL SWAP

To swap the channels between two stored programme positions.

- 1 Press MENU button to display the main menu.
- 2 Enter into "CHANNEL" menu, press POINT ▲▼ buttons to select CHANNEL SWAP.
- 3 Press POINT ◀▶ buttons to enter into the Channel Swap menu. Press POINT ▲▼ buttons to select the CURRENT CHANNEL or TARGET CHANNEL, then press POINT ◀▶ buttons to set the swap channel. And then press POINT ▲▼ buttons to select SWAPPING item, then press POINT ◀▶ buttons to select "OK".

- Press BACK button to return to the previous menu.
- Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

## MANUAL SEARCH MENU





# MENU OPERATION (TV/AV/HDMI mode)

## PICTURE

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select "PICTURE", and will display PICTURE menu.
- 2 Press POINT ▼ button to enter into PICTURE menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to adjust the item.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

### ⚠ Note:

- "TINT" cannot be selected except for NTSC/ NTSC4.43 system.
- 3D NR will prohibited during 1080p mode.

### PICTURE MODE

Select "DYNAMIC", "STANDARD", "VIVID", "SOFT" or "PERSONAL" by pressing POINT ◀▶ buttons.

**DYNAMIC:** Bright and dynamic picture. It is suitable for nice playback, such as DVD program.

**STANDARD:** Natural and splendid picture level preset on LCD TV.

**VIVID:** Present colourful and lively picture level.

**SOFT:** Inhibit strong contrast and colour, it is beneficial for eye protection.

**PERSONAL:** User presets picture adjustment in PICTURE MODE.

### CONTRAST

Press POINT ◀ button to decrease contrast, and POINT ▶ button to increase contrast. (0~100)

### BRIGHTNESS

Press POINT ◀ button to adjust image darken, and POINT ▶ button to adjust image brighten. (0~100)

### COLOUR

Press POINT ◀ button to lighten colour, and POINT ▶ button to darken colour. (0~100)

### TINT

Press POINT ◀▶ buttons to obtain proper colour. (0~100)

### SHARPNESS

Press POINT ◀ button to soften the image, and POINT ▶ button to sharpen the image. (0~100)

### COLOUR TONE

This function is used for selecting colour temperature. Select "NORMAL", "WARM" or "COOL" with POINT ◀▶ buttons.

### 3D NR

This function is used for reducing noise interference on the screen. Select "LOW", "MID", "HIGH" or "OFF" with POINT ◀▶ buttons.

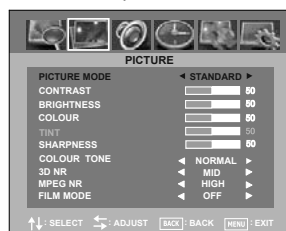
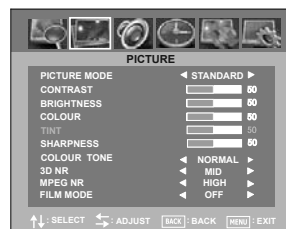
### MPEG NR

Select "LOW", "HIGH" or "OFF" with POINT ◀▶ buttons.  
Removes unwanted ringing and block noise from images that have undergone MPEG or JPEG compression and decompression.

### FILM MODE

Performed on material which underwent technologic conversion to video.

### PICTURE MENU

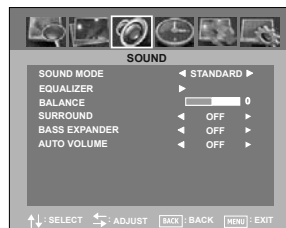


# MENU OPERATION (TV/AV/HDMI mode)

## SOUND

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select "SOUND", and will display SOUND menu.
- 2 Press POINT ▼ buttons to enter into SOUND menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to enter the item selected.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

### SOUND MENU



### SOUND MODE

Press POINT ◀▶ buttons to select "STANDARD", "NEWS", "MUSIC" or "PERSONAL".

### EQUALIZER

Select different frequency ranges of sound separately by pressing POINT ◀▶ buttons.

Adjust values of "120 Hz", "500 Hz", "1.5 KHz", "5KHz", "10KHz" by pressing POINT ◀▶ buttons.

### BALANCE

Adjust the balance of the left and right channels. (-15~15)

### SURROUND

Switch Surround ON or OFF.

### BASS EXPANDER

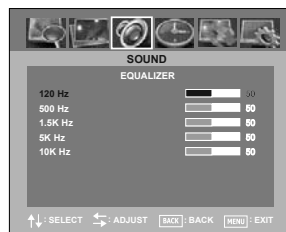
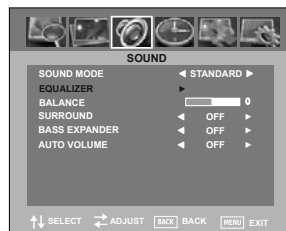
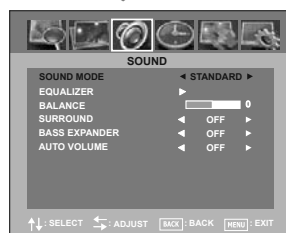
Switch Bass Expander ON or OFF.

### AUTO VOLUME

Switch Auto Volume ON or OFF.

### ⚠ Note:

SOUND MODE, EQUALIZER, SURROUND BASS EXPANDER is disabled when SPORTS mode is ON.



# MENU OPERATION (TV/AV/HDMI mode)

## TIMER

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select TIMER.
  - 2 Press POINT ▼ buttons to enter into TIMER menu.
  - 3 Press POINT ▲▼ buttons to select the item desired.
  - 4 Press POINT ◀▶ buttons to enter the item selected.
- Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

### OFF TIMER

Once OFF TIMER has been set, when the set time is reached, the TV will shift to stand-by status.

To select "OFF", "30 MIN", "60 MIN", "90 MIN" or "120 MIN" with POINT ▲▼ buttons or TIMER button.

To cancel "OFF TIMER", you can choose any option by the following ways.

- Setting "OFF" in OFF TIMER menu.
- Pressing POWER ON/OFF button on Side Control.
- Pressing POWER ON/OFF button on Remote Control.

### ON TIMER

Once ON TIMER has been set, you won't miss any opportunity to watch the program you like.

To set channel position, you can use NUMERIC buttons or DIGIT button. (Please refer to "DIRECT SELECTION" on page 18.) After ON TIMER has been set, ON TIMER INDICATOR will be light.

To cancel "ON TIMER MODE", you can choose any option by the following ways.

- Setting "00 : 00" in ON TIMER.
- Disconnecting the AC power cord.

### ON TIMER CH

This function is only active that ON TIMER has been set. When the set time in ON TIMER is reach, the TV will turn on and enter the channel position you set directly .

To set channel position, you can use NUMERIC buttons or DIGIT button. (Please refer to "DIRECT SELECTION" on page 18.)

### Note:

- OFF TIMER and ON TIMER will be automatically cancelled during searching channels.
- The settings for OFF TIMER and ON TIMER will be automatically cancelled after the settings has been operated for one time.
- In case you left TV without any operation for 2 hours after power on by ON timer, TV will automatically power off itself.

### TIMER MENU



# MENU OPERATION (TV/AV/HDMI mode)

## OSD

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select OSD.
  - 2 Press POINT ▼ buttons to enter into OSD menu.
  - 3 Press POINT ▲▼ buttons to select the item desired.
  - 4 Press POINT ◀▶ buttons to enter the item selected.
- Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

### LANGUAGE

Press POINT ◀▶ buttons to choose ENGLISH, ARABIC or PERSIAN.

### H-POSITION

OSD moves to the left side when POINT ◀ button is pressed.  
OSD moves to the right side when POINT ▶ button is pressed.  
(0~100)

### V-POSITION

OSD moves up when POINT ◀ button is pressed. OSD moves down when POINT ▶ button is pressed. (0~100)

### DURATION

Use this function to set the display time of the MENU when there is no operation on the TV. Press POINT ◀ button to decrease time, press POINT ▶ button to increase time. (5~60 seconds)

### TRANSPARENCY

The background of OSD darkens when POINT ◀ button is pressed. The background of OSD lightens when POINT ▶ button is pressed. (0~100)

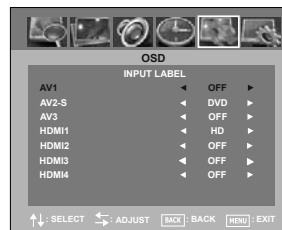
### TEXT LANGUAGE

Press POINT ◀▶ buttons to choose WESTERN, EASTERN, ARABIC or FARSI for Language display in Teletext mode.

### INPUT LABEL

This submenu is to give INPUT source tag name which is will be displayed on INPUT menu. Press POINT ◀▶ buttons to select "OFF"(blank), VCR, DVD, AUX, STB, GAME.

### OSD MENU



**Note:**  
HDMI4 is only for model LCD-42K40/A-HD.

# MENU OPERATION (TV/AV/HDMI mode)

## SETUP

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select SETUP.
- 2 Press POINT ▼ buttons to enter into SETUP menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to enter the item selected.

- Press BACK button to return to the previous menu.
- Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

 **Note:**

"PC ADJUST" can not be selected except for PC mode.

### CHILD LOCK

When CHILD LOCK is set "ON", the Side Control buttons will be locked except for POWER ON/OFF button .

### ECO

This function can automatically adjust panel's brightness by ambient brightness.

Press POINT ◀▶ buttons to set "OFF", "ON" or "SENSOR".

### DYNAMIC AI

Used to adjust contrast and color parameters until the display looks good. Set it ON or OFF by pressing POINT ◀▶ buttons.

### ACTIVE CONTRAST

Used to improved picture contrast by panel's backlight. Set it ON or OFF by pressing POINT ◀▶ buttons.

### GAME MODE

Switch GAME MODE ON or OFF.

### GAME INPUT SELECT

Press POINT ◀▶ buttons to select "AV1", "AV2", "AV3", "HDMI1", "HDMI2", "HDMI3", "HDMI4" or "PC".

 **Note:**

- When "GAME MODE" set to "OFF", "GAME INPUT SELECT" is in gray and can not be selected.
- HDMI4 is only for model LCD-42K40/A-HD.

### SETUP MENU



# MENU OPERATION (TV/AV/HDMI mode)

## HDMI LINK

**XACTI LINK:** Press POINT ◀▶ buttons to open link connection for Xacti.

**XACTI POWER ON:** Press POINT ◀▶ buttons to select "ON", The TV will turn on, but the Xacti will keep the same status.

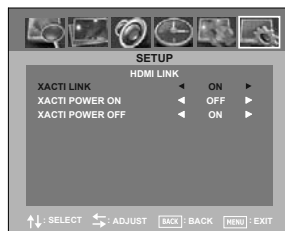
(**Note:** TV will turn on automatically when the Xacti is turned on.)

**XACTI POWER OFF:** Press POINT ◀▶ buttons to select "ON", The Xacti will turn off, but the TV will keep the same status.

(**Note:** Xacti will turn off automatically when the TV is turned off.)

### ⚠ Note:

- When "XACTI LINK" set to "OFF", "XACTI POWER ON" and "XACTI POWER OFF" is in gray and cannot select.
- "HDMI LINK" doesn't work expect for Xacti connection.
- "HDMI LINK" doesn't work if no HDMI input signal.  
(refer to "Duration" on MENU SETUP menu) to exit menu operation.



## SHOP MODE

- 1 Press POINT ▲▼ buttons to select SHOP MODE.
- 2 Press POINT ◀▶ buttons to enter into SHOP MODE menu.
- 3 Press POINT ◀▶ buttons to choose HOME MODE or SHOP MODE. Press OK button to enter into HOME MODE or SHOP MODE.

## HOME MODE

In this mode, the adjustments you have set of "Picture mode" and "ECO" will be stored as the last memory automatically. ( The initial settings are "DYNAMIC" and "OFF".)

## SHOP MODE

In this mode, 30 minutes later after you made some adjustments of "Picture mode" and "ECO" and no other operation on the LCD TV, the initial setting will be recalled. ( The initial settings are "DYNAMIC" and "OFF".) The message of "INITIAL SETTING RECALLED FOR DEMO" will appear on the screen for 3 seconds.

### ⚠ Note:

- Shop mode setting will be continued even after power off /on by Remote control, LCD TV or AC power plug.
- At the first power on and just after plug and play channel set-up, SHOP MODE menu will appear. Press POINT ◀▶ buttons to select and press OK button for SHOP MODE or HOME MODE. Then the pop up menu disappears.



# MENU OPERATION (PC mode)

## PICTURE

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select "PICTURE", and will display PICTURE menu.
- 2 Press POINT ▼ button to enter into PICTURE menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to adjust the item.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

**Note:**

"CHANNEL MENU" doesn't work in PC mode.

### PICTURE MODE

Select "DYNAMIC", "STANDARD", "VIVID", "SOFT" or "PERSONAL" by pressing POINT ◀▶ buttons.

**DYNAMIC:** Bright and dynamic picture. It is suitable for nice playback, such as DVD program.

**STANDARD:** Natural and splendid picture level preset on LCD TV.

**VIVID:** Present colourful and lively picture level.

**SOFT:** Inhibit strong contrast and colour, it is beneficial for eye protection.

**PERSONAL:** User presets picture adjustment in PICTURE MODE.

### CONTRAST

Press POINT ◀ button to decrease contrast, and POINT ▶ button to increase contrast. (0~100)

### BRIGHTNESS

Press POINT ◀ button to adjust image darken, and POINT ▶ button to adjust image brighten. (0~100)

### COLOUR TONE

This function is used for selecting colour temperature. Select "PERSONAL", "NORMAL", "WARM" or "COOL" with POINT ◀▶ buttons.

### COLOUR-R

Press POINT ◀ button to lighten red tone, and POINT ▶ button to deepen red tone. (0~100)

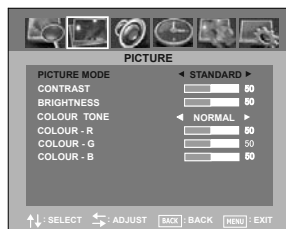
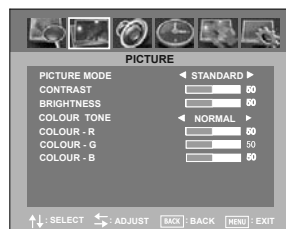
### COLOUR-G

Press POINT ◀ button to lighten green tone, and POINT ▶ button to deepen green tone. (0~100)

### COLOUR-B

Press POINT ◀ button to lighten blue tone, and POINT ▶ button to deepen blue tone. (0~100)

### PICTURE MENU



# MENU OPERATION (PC mode)

## SOUND

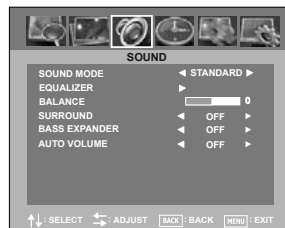
- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select "SOUND", and will display SOUND menu.
- 2 Press POINT ▼ buttons to enter into SOUND menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to enter the item selected.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.



**Note:**

For the details, please refer to "SOUND" on page 34.

### SOUND MENU



## TIMER

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select TIMER.
- 2 Press POINT ▼ buttons to enter into TIMER menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to enter the item selected.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.



**Note:**

For the details, please refer to "TIMER" on page 35.

### TIMER MENU



## OSD

- 1 Press MENU button and the main menu will appear.  
Press POINT ◀▶ buttons to select OSD.
- 2 Press POINT ▼ buttons to enter into OSD menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to enter the item selected.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.



**Note:**

For the details, please refer to "OSD" on pages 36.

### OSD MENU





# MENU OPERATION (PC mode)

## SETUP

- 1 Press MENU button and the main menu will appear. Press POINT ◀▶ buttons to select SETUP.
- 2 Press POINT ▼ buttons to enter into SETUP menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to enter the item selected.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait for 5~60 seconds (refer to "DURATION" on page 36) to exit menu operation.

### ⚠ Note:

For the details, please refer to "SETUP" on pages 37-38.

### PC ADJUST

This function is used to adjust the position of image displayed on screen. It can be selected when the LCD TV could be received PC signal and in PC mode. (Refer to "SIGNAL MODE COLUMN" on page 47.)

Press POINT ◀▶ buttons to enter PC SCREEN menu. It can be select "AUTO ADJUST", "H-POSITION", "V-POSITION", "PHASE", "CLOCK" or "AUTO SHUT DOWN" to adjust.

### AUTO ADJUST

Press POINT ◀▶ buttons, and the TV automatically detects incoming signal, and adjust itself to optimize its performance. If the image is not displayed properly, a manual adjustment is required (Refer to following adjustments).

### H-POSITION

The horizontal picture position will be moved to the left side by pressing POINT ◀ button. And it will be moved to the right side by pressing POINT ▶ button. (0~100)

### V-POSITION

The vertical picture position will be moved down side by pressing POINT ◀ button. And it will be moved up side by pressing POINT ▶ button. (0~100)

### PHASE

Eliminate disorder from the image. Press POINT ◀▶ buttons to adjust PHASE. (0~100)

### CLOCK

Eliminate flicker from the image. Press POINT ◀▶ buttons to adjust CLOCK. (0~100)

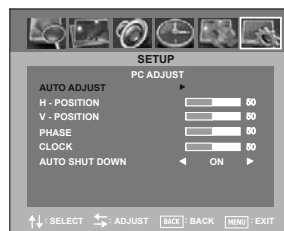
### AUTO SHUT DOWN

Press POINT ◀▶ buttons to set AUTO SHUT DOWN ON or OFF. When PC is switched Off, "NO SIGNAL" appears for 30 seconds, TV will be automatically switched to Backlight off mode. During Backlight Off Mode within 10 minutes, TV will be switched to On Mode if PC is switched On. After Backlight Mode continues for 10 minutes, it will be switched to Standby Mode. During Standby mode, TV will not be switched to On mode even if PC is switched On. To switch on TV, press Power button on Remote Control or TV.

### ⚠ Note:

This function is for PC mode (full screen) only. It is not applicable for PIP/POP dual pictures.

### SETUP MENU



AUTO ADJUST

# DEALER MODE

## DEALER MODE

TO DISPLAY DEALER MODE:

Press INFO button on remote control while holding MENU button on Side control to display Dealer mode menu.

The Dealer Mode has 9 different modes: VOLUME LOCK, TUNING LOCK, START MODE, OSD, RC, AC POWER MODE, START VOLUME LEVEL, MUSIC MODE SETUP and RESET.

Take the way of setting VOLUME LOCK for example:

- 1 Press POINT ◀▶ buttons to select a maximal volume.
- 2 Press INFO button on remote control while holding MENU button on Side control to display Dealer mode menu.
- 3 VOLUME LOCK will be the default selection. (When you adjust others, press POINT ▲▼ buttons to select the item desired.)
- 4 Press POINT ◀▶ buttons to select "ON". (The maximal volume is the set value by step 1.)
- 5 Press menu button to exit menu operation.

### VOLUME LOCK


This function is used to limit the maximal volume.

### TUNING LOCK

The way to prevent user from executing the Tuning function.

### START MODE

The LCD TV will automatically enter to the setting mode while being turned on. You can select OFF, TV(0-10), AV1, AV2(S-VIDEO), AV3(DVD), HDMI1, HDMI2, HDMI3, HDMI4 or PC in START MODE. When it is set "OFF", it will keep the mode before being turning off.

 **Note:** HDMI4 is only for model LCD-42K40/A-HD.

### OSD

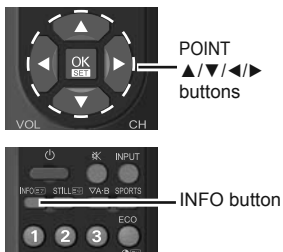
When it is set "OFF", Corresponding OSD cannot display on the screen while operating.

### RC

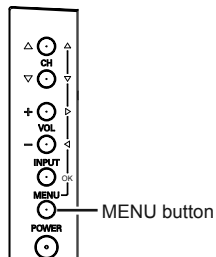
You can set "NORMAL", "PROHIBIT" or "SEPARATE" in RC MODE. Use this feature to set Remote Control Function including Power ON/OFF function.

- **NORMAL**
  - Set Remote Control to normal function.
- **PROHIBIT**
  - Set buttons on the Remote Control to prohibit to use except for Power button.
- **SEPARATE**
  - Power button still can be functioned to Power ON/OFF.
  - Red button to Power OFF in all modes including Teletext mode.
  - Green button to Power ON in all mode including Teletext mode.
  - Yellow button inactive in all modes.
  - Blue button inactive in all mode.

### REMOTE CONTROL



### SIDE CONTROLS



### DEALER MODE MENU



# DEALER MODE

## AC POWER MODE

You can set "STAND", "ON" or "LAST" in AC POWER MODE. Use this feature to set TV condition when AC cord plug-in.

- **STAND**
  - When AC cord plug-in, LCD TV always STAND-BY.
- **ON**
  - When AC cord plug-in, LCD TV always ON.
- **LAST**
  - When AC cord plug-in, the LCD TV will depend on last TV condition. (ON or Stand-by)

## START VOLUME LEVEL

You can select "OFF" or "1-100" in START VOLUME LEVEL. Use this feature to set volume bar level position every time TV turned on.

## MUSIC MODE SETUP

MUSIC mode is used to block picture on channel program. Use this feature to set Music Mode condition in set 5 Position Channel.

- 1 Press and hold Menu button on Side Controls, and press INFO button on remote control to display Dealer mode menu. Press POINT ▲▼ buttons to select MUSIC MODE SETUP.
- 2 Press POINT ◀▶ buttons to enter into MUSIC MODE SETUP menu.
- 3 Press POINT ▲▼ buttons to select the item desired.
- 4 Press POINT ◀▶ buttons to enter the item selected.
  - Press BACK button to return to the previous menu.
  - Press MENU button or wait to exit menu operation.

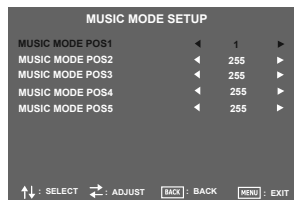


### Note:

When the channel set with Music mode is selected, Eco mode is ON, and press ECO button, screen display ECO ON.

## RESET

This function returns all setting values to the factory default settings.





# APPENDIX

## CLEANING LCD TV

Be sure to disconnect the AC Power cord from AC outlet before cleaning the LCD TV.

Clean your LCD TV as follows:

- Gently wipe the screen and cabinet with dry soft cloth.
- The screen is likely to be damaged if it is not maintained properly. Do not use hard objects like a hard cloth or paper. Do not use solvents or abrasions.

### CAUTION :

Do not use benzene, thinner, or any volatile substances to clean the LCD TV. These chemicals may damage the cabinet finish.

## FUNCTION OF PRODUCT SAFETY FEATURE

For protecting product safety, protection feature provided inside LCD TV. Refer to the following please.

### AUTO POWER OFF

When a trouble is detected in the LCD TV, the protection function works and turn the LCD TV OFF automatically. When the LCD TV is turned OFF with this function, the POWER indicator becomes red and LCD TV's power cannot be turned ON.

Disconnect Power cord and contact sales dealer where you purchased the LCD TV or the service center.

To turn on LCD TV again for checking:

- 1) Disconnect Power cord from AC outlet and plug it on again.
- 2) Refer to "TURNING ON/OFF LCD TV" on Page 15 to attempt to turn on LCD TV.  
If LCD TV is not turned on, disconnect Power cord and contact to service center.



# APPENDIX

## TROUBLE SHOOTING

Before calling your dealer or service center for assistance, check the matters below once again.

1. Make sure you have connected LCD TV to your equipment as described in the section "CONNECTING LCD TV".
2. Check cable connection. Verify that all external equipment and power cords are properly connected.
3. Verify that all power is switched on.
4. If LCD TV still does not produce an image, re-start the external equipment.
5. If the image still does not appear, unplug LCD TV from the external equipment and check the external equipment. The problem may be with your graphics controller rather than with LCD TV. (When you reconnect LCD TV, remember to turn the external equipment and TV off before you power up LCD TV. Power the equipment back on in order of : LCD TV and external equipment.)
6. If the problem still exists, check the following chart.

Problem:	Try these Solutions
NO POWER	<ul style="list-style-type: none"> <li>● Plug this LCD TV into the AC outlet.</li> <li>● Press ON/STAND-BY button on SIDE Control or on Remote Control to open this LCD TV.</li> <li>● Check POWER Indicator. If this indicator flashes, LCD TV has any trouble.</li> </ul>
Remote Control does not work	<ul style="list-style-type: none"> <li>● Check the batteries.</li> <li>● Make sure nothing is between the Remote Receiver and the Remote Control.</li> <li>● Make sure you are not too far from LCD TV when using Remote Control. Maximum operating range is 16.4' (5m).</li> <li>● Is direct sunlight or strong artificial light shining on LCD TV's Infrared Remote Receiver? Eliminate the light by closing curtains, pointing the light in a different direction, etc.</li> </ul>
No image	<ul style="list-style-type: none"> <li>● Check the connection between the external equipment and LCD TV.</li> <li>● When turning LCD TV on, it takes a few seconds to display the image.</li> <li>● Check the system that you select is corresponding with the external equipment or the video equipment.</li> <li>● Make sure the temperature is not out of the Operating Temperature (0°C ~ 40°C).</li> <li>● Turn off power, then turn on again, re-start LCD TV.</li> </ul>
No sound	<ul style="list-style-type: none"> <li>● Check Audio cable connection from Audio input source.</li> <li>● Adjust the Audio source.</li> <li>● Press VOLUME (+) button.</li> <li>● Press MUTE button.</li> </ul>
There are tiny black points and/or bright point on the TV	<ul style="list-style-type: none"> <li>● Dark or bright points of light (red, green, or blue) may appear on the screen. This is a characteristic of the LCD panels, not a malfunction of the LCD TV.</li> </ul>
Abnormal colour of image	<ul style="list-style-type: none"> <li>● Adjust the value of colour.</li> <li>● Select different colour system.</li> </ul>

### WARNING :

High voltages are used to operate this LCD TV. Do not attempt to open the cabinet.

If the problem still persists after following all operating instructions, contact the sales dealer where you purchased LCD TV or the service center. Give the model number and explain the difficulty. We will advise you how to obtain service.

# APPENDIX

## TECHNICAL SPECIFICATIONS

Model	LCD-32K40/A, LCD-42K40/A-HD
Maximum Visible Range	LCD-32K40/A: 81cm ; LCD-42K40/A-HD: 106cm (Screen Diagonal Size)
Picture Resolution	LCD-32K40/A: 1366(H) x 768(V) ; LCD-42K40/A-HD: 1920(H) x 1080(V)
Definition	RF Analog Signals: Horizontal≥300; Vertical≥400
Voltage	AC110-240V 50/60Hz
Power Consumption	LCD-32K40/A: 100W ; LCD-42K40/A-HD: 179W
Power Management	VESA DPMS
Colour System	PAL/SECAM/NTSC/NTSC4.43
Sound System	D/K, I, M, B/G
Channel Coverage	- VHF: E2-E12, R1-R12, K1-K9, J1-J12, A2-A13 - UHF: 21-69, A14-A69, J13-J62 - CATV: S1-S41, X, Y, Z, Z+1, Z+2
Aerial input impedance	75Ω
Speaker Size	Mains: 4.6cm x 15.4cm x 2pcs
Sound speciality	Maximum Output Power is 10W+10W Total Harmonic Distortion(THD)≤10%
Input and Output terminals	
AV1 Input	Video Input: Composite video Input (RCA Jack) x1 Audio Input: L/R Stereo Input (RCA Jack) x 1 set
AV2 Input	Video Input: Composite video Input (RCA Jack) x1 Audio Input: L/R Stereo Input (RCA Jack) x 1 set S-Video Input: DIN 4-pin Jack x1
AV3	Video Input: Component Y (combined with composite video input), CB, CR Input (RCA Jack) x1 set Audio: L/R Stereo Input (RCA Jack) x 1 set
HDMI Input	Model LCD-32K40/A: HDMI Terminal 19 pin x3 Model LCD-42K40/A-HD: HDMI Terminal 19 pin x4
PC Input	Video Input: D-SUB 15 pin x1 Audio Input: Mini stereo jack x 1
Output Terminals	Video Monitor Output: RCA jack x 1 Audio Monitor Output: L/R Stereo Output (RCA jack) x 1 set Headphone Jack: Mini stereo jack x1
Dimensions	
(Width x Height x Depth)	LCD-32K40/A: 789 x 551 x 272 mm LCD-42K40/A-HD: 1010 x 675 x 272 mm
Net Weight	
(Including Stand )	LCD-32K40/A: 12.5 KG ; LCD-42K40/A-HD: 18.5 KG
Operating Environment	
Operating Temperature	0°C~40°C (32°F~104°F)
Operating Humidity	20~80%
Storage Temperature	-10°C~50°C (14°F~122°F)
Storage Humidity	20~80%

### Note:

- Specifications are subject to change without notice.
- The On-Screen Menu and figures in this manual may differ slightly from the product.

# APPENDIX

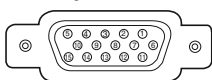
## CONFIGURATIONS OF VGA TERMINALS

### VGA IN (D-SUB) TERMINAL

Terminal : D-SUB15 PIN

Connect video output terminal of LCD TV to this terminal with VGA Cable (not supplied). When connecting Macintosh computer, the MAC Adapter (not supplied) is required.

Pin Configuration

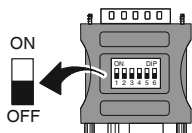


1	Red Input	9	No Connect
2	Green Input	10	Ground (Vert.sync.)
3	Blue Input	11	Sense 0
4	Sense 2	12	Sense 1
5	Ground (Horiz.sync.)	13	Horiz. sync.
6	Ground (Red)	14	Vert. sync.
7	Ground (Green)	15	Reserved
8	Ground (Blue)		

## MAC ADAPTER (Not Supplied)

Set slide switches as shown in the table below depending on RESOLUTION MODE that you want to use before you turn on LCD TV and computer.

### Slide Switches (1-6)



	1	2	3	4	5	6
13" Mode (640x480)	ON	ON	OFF	OFF	OFF	OFF
16" Mode (832x624)	OFF	ON	OFF	ON	OFF	OFF
19" Mode (1024x768)	OFF	ON	ON	OFF	OFF	OFF

## SIGNAL MODE COLUMN (Recommended)

This LCD TV can correspond to the signals below. After connecting with the computer, LCD TV can automatically recognize the signal from the connected PC( computer)/ HDMI.

### PC SIGNAL MODE COLUMN (recommended)

SYSTEM MODE	PIXELS	V-Freq.(Hz)	H-Freq.(KHz)	STANDARD	SYSTEM MODE	PIXELS	V-Freq.(Hz)	H-Freq.(KHz)	STANDARD
VGA	640*350	85	37.9	VESA	SVGA	800*600	75	46.9	VESA
VGA	640*400	85	37.9	VESA	SVGA	800*600	85	53.7	VESA
VGA	640*480	60	31.5	VESA	XGA	1024*768	60	48.4	VESA
VGA	640*480	72	37.9	VESA	XGA	1024*768	70	56.5	VESA
VGA	640*480	75	37.5	VESA	XGA	1024*768	75	60	VESA
VGA	640*480	85	43.3	VESA	XGA	1152*864	75	67.5	VESA
SVGA	800*600	56	35.1	VESA	WXGA	1280*768	60	47.7	VESA-GTF
SVGA	800*600	60	37.9	VESA	SXGA	1280*960	60	60	VESA
SVGA	800*600	72	48.1	VESA	SXGA	1280*1024	60	64	VESA

### ! Note:

- In case LCD TV can not display properly due to the connecting cable or the graphic hardware, please make adjustments about phase, clock and so on.
- In principle, LCD TV can not display the signal mode which not described in the above column. But sometimes it can display a signal very similar with one of the signal described.
- If you want to change the definition and colour of PC, please select one from the column.
- It is not the trouble of LCD TV if interference appears on the picture while switching the signal mode.
- It is different from CRT Monitor that it is no blink of the picture when the V-Freq. of the signal is 60Hz. It is recommended to select 60Hz V-Freq. of your computer to display better pictures.
- The Dot Clock of the computer's signal must be less than 100 MHz.
- Specifications are subject to change without notice.

In case of the following things, some messages will display on the screen.

- When the input signal from PC is out of the display range, "OUT OF RANGE" will display.

# APPENDIX

When input signal is digital from DVD terminal, refer to the chart below.

SYSTEM MODE	PIXELS	V-Freq. (HZ)	H-Freq. (KHz)
480I	720*480	60	15.75
576I	720*576	50	15.6
480P	720*480	60	31.5
576P	720*576	50	31.2
720P	1280*720	60	45
720P	1280*720	50	37.5
1080I	1920*1080	60	33.7
1080I	1920*1080	50	28.1
1080P	1920*1080	50	56.2
1080P	1920*1080	60	67.5

When input signal is digital from HDMI terminal, refer to the chart below.

NO.	Resolution	H-Freq. (KHz)	Frame Frequency
1	EIA1920×1080i@60	33.750	60.00Hz
2	EIA1920×1080p@60	67.500	60.00Hz
3	EIA1920×1080i@50	28.125	50.00Hz
4	EIA1920×1080p@50	56.250	50.00Hz
5	EIA1280×720p@60	45.000	60.00Hz
6	EIA1280×720p@50	37.500	50.00Hz
7	EIA720x480p(w)@60	31.500	60.00Hz
8	EIA720x576p(w)@50	31.250	50.00Hz

Audio Freq. Format : 16bit/20bit/24bit

HDMI™(V.1.3 with Deep Color)

Xacti camera models with HDMI-CEC:

VPC-HD2000  
VPC-FH1  
VPC-FH11  
VPC-TH1  
VPC-WH1  
VPC-CS1  
VPC-SH1  
VPC-CG100  
VPC-CG200  
VPC-CH1  
VPC-CA100



## APPENDIX

### UNINSTALLING STAND BASE

#### ⚠ CAUTION IN UNINSTALLING STAND BASE

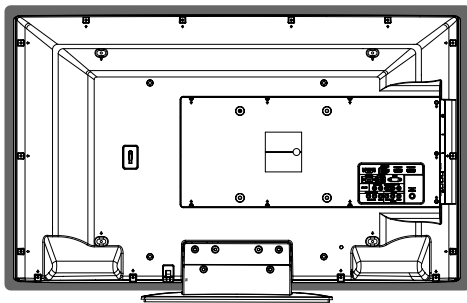
- Through in uninstalling work, handling with more than two people is recommended.
- When holding (moving or lifting) the LCD Display, hold the display's body. Do not handle the LCD TV by holding the attached accessory parts (speakers), otherwise it may result in damage.
- Before uninstalling, provide a desk (or a part of it) which is strong enough to support the weight of the LCD TV and this stand. The desk must be larger than the LCD Display screen size. The desk's surface must be flat and maintained with soft material (such as a blanket) for protecting the screen surface.
- Before putting the LCD Display on the desk, make sure there is no object on it. Leaving any object under the screen may cause damage on the screen.
- The LCD TV with this stand should be uninstalled on flat and level place. Do not place on such as an non flat, unlevel or unstable cart or stand. The display may fall, causing not only serious damage to the products but serious injury to a person.

#### ⚠ SAFETY NOTE

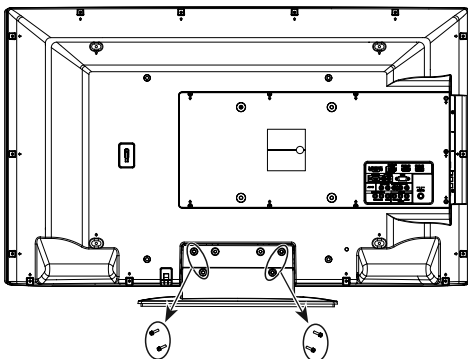
For correct installing, mounting and uninstalling LCD TV Stand, it is strongly recommended to use a trained, authorized dealer. Failure to follow correct procedures could result in damage to the equipment or injury to the installer.

#### Uninstalling Stand Base

- 1 Place the LCD TV screen facing down on a flat surface place where maintained with soft materials (such as a blanket) for protecting the display screen.



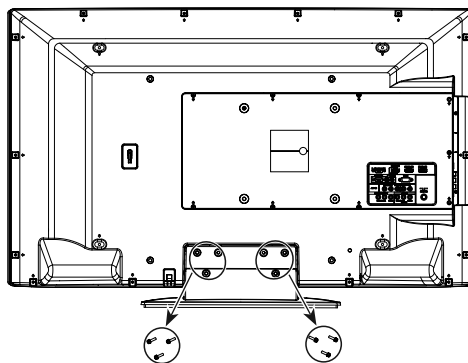
- 2 Release screw in 4 holes with screw driver.



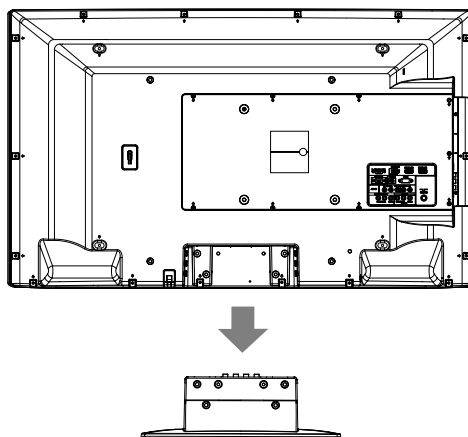
## APPENDIX

### Uninstalling Stand Base

Note: For model LCD-42K40/A-HD, release screw in 6 holes with screw driver.



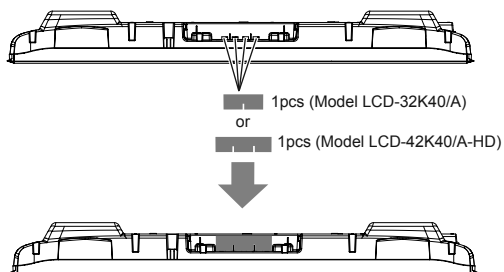
- 3 Pull the stand base out from the cabinet after all screws already removed.



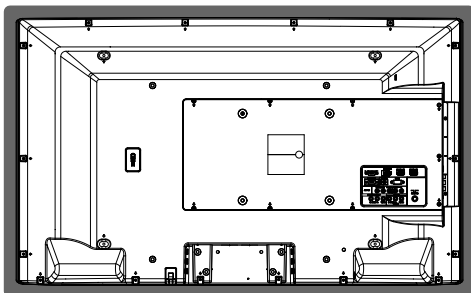
## APPENDIX

### Uninstalling Stand Base

- 4 Cover the holes where you remove the stand base from the dust etc. by paste the deck label (supplied) to these holes.



- 5 Uninstalling the stand base is completed now.





Part No. 1AA6P1P5823-- N7TK (UE6-A)

**SANYO**  
SANYO Electric Co., Ltd.

